STIC Search Report
Biotech-Chem Library

STIC Database Tracking Number: 163396

TO: Tamthom Truong
Location: REM/5C19/5C18
Art Unit: 1624
Wednesday, August 24, 2005
Case Serial Number: 10/083245

From: John DiNatale
Location: Biotech-Chem Library
REM-1B65
Phone: (571)272-2557

john.dinatale@uspto.gov

Search Notes

Examiner Truong,

See attached results.

If you have any questions about this search feel free to contact me at any time. Please note that in the broader search, the number of intervening carbon atoms (between the nitrogen atoms) was intentionally set to "1 to 6" in order to have a more conservative interpretation of your search request.

Thank you for using STIC search services!

John DiNatale
Technical Information Specialist
STIC Biotech/Chem Library
(571)272-2557

STIC SEARCH RESULTS FEEDBACK FORM

Biotech-Chem Library

Questions about the scope or the results of the search? Contact ***the searcher or contact***:

Mary Hale, Information Branch Supervisor
Remsen Bldg. 01 D86
571-272-2507

Voluntary Results Feedback Form

- *I am an examiner in Workgroup:* ☐ *Example: 1610*
- *Relevant prior art **found**, search results used as follows:*
  - ☐ 102 rejection
  - ☐ 103 rejection
  - ☐ Cited as being of interest.
  - ☐ Helped examiner better understand the invention.
  - ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
  (journal articles, conference proceedings, new product announcements etc.)

- *Relevant prior art **not found:***
  - ☐ Results verified the lack of relevant prior art (helped determine patentability).
  - ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC-Biotech-Chem Library Remsen Bldg.

```
> file registry
FILE 'REGISTRY' ENTERED AT 14:32:51 ON 24 AUG 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   23 AUG 2005  HIGHEST RN 861509-89-9
DICTIONARY FILE UPDATES:  23 AUG 2005  HIGHEST RN 861509-89-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

**********************************************************************
*                                                                    *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                                    *
**********************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> file medline
FILE 'MEDLINE' ENTERED AT 14:32:55 ON 24 AUG 2005

 FILE LAST UPDATED: 23 AUG 2005 (20050823/UP).  FILE COVERS 1950 TO DATE.

 On December 19, 2004, the 2005 MeSH terms were loaded.

 The MEDLINE reload for 2005 is now available.  For details enter HELP
 RLOAD at an arrow promt (=>).  See also:

    http://www.nlm.nih.gov/mesh/
    http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html

 OLDMEDLINE now back to 1950.

 MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the
 MeSH 2005 vocabulary.

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> file embase
FILE 'EMBASE' ENTERED AT 14:33:00 ON 24 AUG 2005
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FILE COVERS 1974 TO 18 Aug 2005 (20050818/ED)

EMBASE has been reloaded. Enter HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

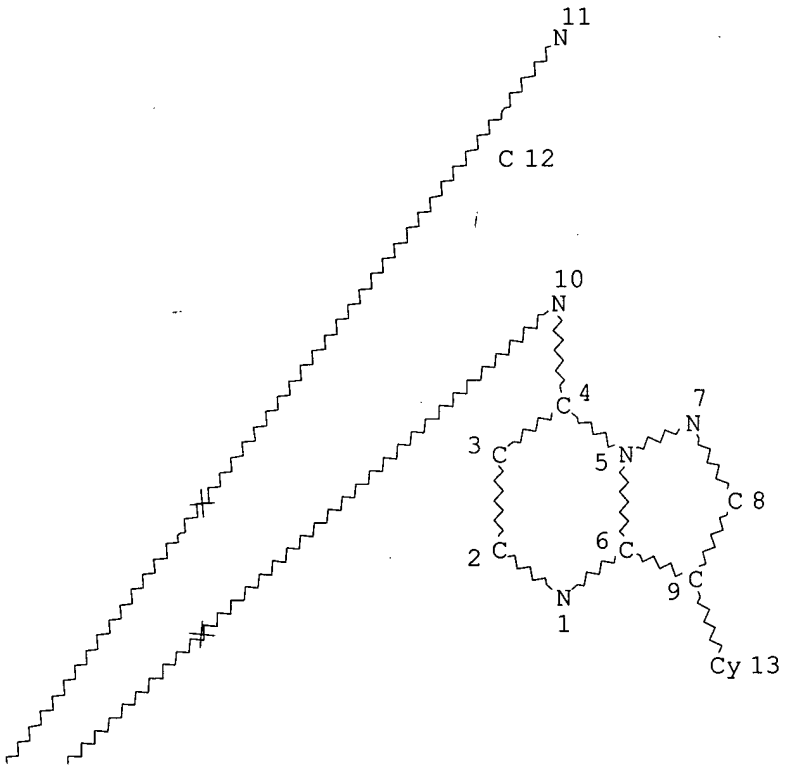
=> file biosis
FILE 'BIOSIS' ENTERED AT 14:33:04 ON 24 AUG 2005

FILE COVERS 1969 TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT FROM JANUARY 1969 TO DATE.

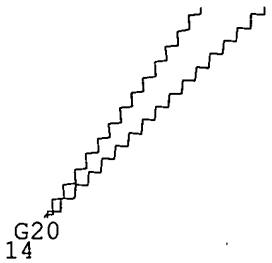
RECORDS LAST ADDED: 17 August 2005 (20050817/ED)

FILE RELOADED: 19 October 2003.

=> d stat que L14
L1 STR



Page 1-A



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NSPEC IS C AT 14
DEFAULT MLEVEL IS ATOM
MLEVEL IS CLASS AT 10 11 12
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE
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L14 0 SEA L6

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=>  file beilstein
FILE 'BEILSTEIN' ENTERED AT 14:33:37 ON 24 AUG 2005
COPYRIGHT (c) 2005 Beilstein-Institut zur Foerderung der Chemischen Wissenschaften
licensed to Beilstein GmbH and MDL Information Systems GmbH

FILE RELOADED ON OCTOBER 20, 2002
FILE LAST UPDATED ON JUNE 29, 2005

FILE COVERS 1771 TO 2005.
*** FILE CONTAINS  9,271,550 SUBSTANCES ***

>>>PLEASE NOTE: Reaction Data and substance data are stored in
   separate documents and can not be searched together in one query.
   Reaction data for BEILSTEIN compounds may be displayed
   immediately with the display codes PRE (preparations) and REA
   (reactions).  A substance answer set retrieved after the search
   for a chemical name, a compounds with available reaction
   information by combining with PRE/FA, REA/FA or more generally
   with RX/FA. The BEILSTEIN Registry Number (BRN) is the link
   between a BEILSTEIN compound and belonging reactions. For mo
   detailed reaction searches BRNs can be searched as reaction
   partner BRNs Reactant BRN (RX.RBRN) or Product BRN (RX.PBRN).<<<

>>> FOR SEARCHING PREPARATIONS SEE HELP PRE  <<<

**********************************************************************
* PLEASE NOTE THAT THERE ARE NO FORMATS FREE OF COST.                 *
* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE    *
* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE; THESE           *
* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS.                         *
* FOR PRICE INFORMATION SEE HELP COST                                 *
**********************************************************************
    NEW
* PATENT NUMBERS (PN) AND BABS ACCESSION NUMBERS (BABSAN) CAN NOW BE
  SEARCHED, SELECTED AND TRANSFERRED.
* NEW DISPLAY FORMATS ALLREF, ALLP AND BABSAN SHOW ALL REFERENCES,
  ALL PATENT REFERENCES, OR ALL BABS ACCESSION NUMBERS FOR A
  COMPOUND AT A GLANCE.

=> d stat que L17
L8             STR
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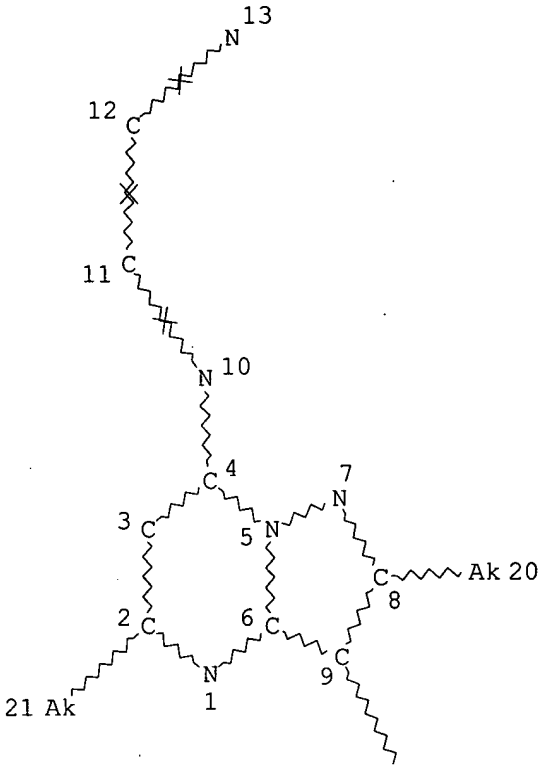

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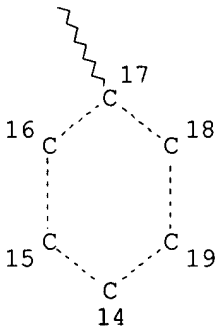

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MLEVEL  IS CLASS  AT  10 11 12 13 20 21
DEFAULT ECLEVEL IS LIMITED
ECOUNT  IS M1-X6 C  AT  20
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GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  21

STEREO ATTRIBUTES: NONE
L16           6 SEA FILE=BEILSTEIN SSS FUL L8
L17           5 SEA FILE=BEILSTEIN ABB=ON  PLU=ON  L16 NOT RN/FA


=> d qrd allref L17 1-5


L17  ANSWER 1 OF 5 BEILSTEIN COPYRIGHT 2005 BEILSTEIN MDL on STN

     Beilstein Records (BRN):        1175562
     Chemical Name (CN):             N-(2,5-dimethyl-3-phenyl-pyrazolo<1,5-
                                     a>pyrimidin-7-yl)-2-morpholin-4-yl-
                                     acetamide
     Autonom Name (AUN):             N-(2,5-dimethyl-3-phenyl-pyrazolo<1,5-
                                     a>pyrimidin-7-yl)-2-morpholin-4-yl-
                                     acetamide
     Molec. Formula (MF):            C20 H23 N5 O2
     Molecular Weight (MW):          365.43
     Lawson Number (LN):             30824, 30310, 3379
     Compound Type (CTYPE):          heterocyclic
     Constitution ID (CONSID):       1117700
     Tautomer ID (TAUTID):           1139153
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     Entry Date (DED):               1988/11/29
     Update Date (DUPD):             1992/05/13
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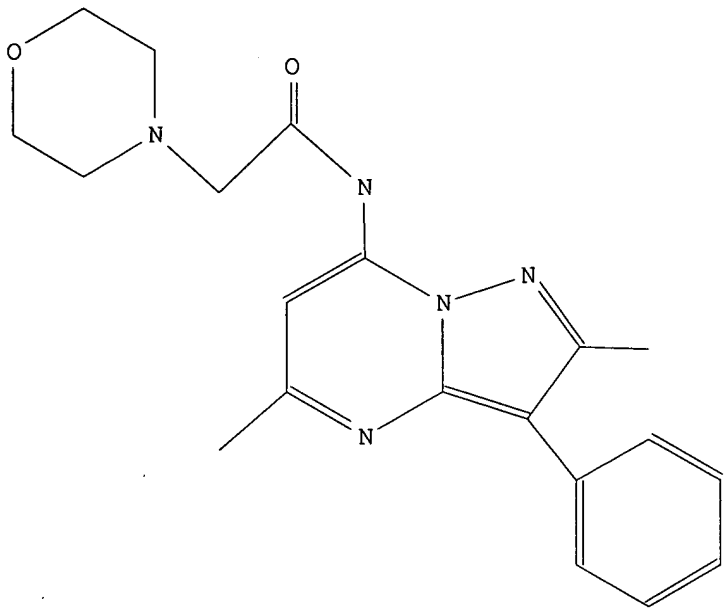

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AUN	Autonomname	1
MF	Molecular Formula	1
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LN	Lawson Number	3
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
DED	Entry Date	1
DUPD	Update Date	1
MP	Melting Point	1

This substance also occurs in Reaction Documents:

Code	Name	Occurrence
RX	Reaction Documents	1
RXPRO	Substance is Reaction Product	1

All References:
ALLREF

1. Patent: Shionogi and Co. Ltd. JP 7030335 1970, Chem.Abstr., 74(22872)

L17 ANSWER 2 OF 5 BEILSTEIN COPYRIGHT 2005 BEILSTEIN MDL on STN

Beilstein Records (BRN): 1164213

Chemical Name (CN):	(2,5-dimethyl-3-phenyl-pyrazolo<1,5-a>pyrimidin-7-yl)-(2-morpholin-4-yl-ethyl)-amine
Autonom Name (AUN):	(2,5-dimethyl-3-phenyl-pyrazolo<1,5-a>pyrimidin-7-yl)-(2-morpholin-4-yl-ethyl)-amine
Molec. Formula (MF):	C20 H25 N5 O
Molecular Weight (MW):	351.45
Lawson Number (LN):	30824, 30310, 3018
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	1113261
Tautomer ID (TAUTID):	1135556
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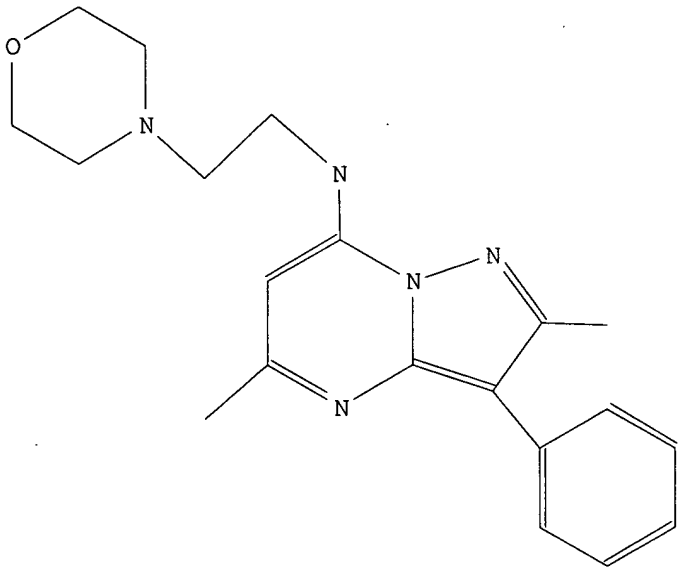
Entry Date (DED):	1988/11/29
Update Date (DUPD):	1992/05/13



Field Availability:

Code	Name	Occurrence
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AUN	Autonomname	1
MF	Molecular Formula	1
FW	Formular Weight	1
LN	Lawson Number	3
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
DED	Entry Date	1
DUPD	Update Date	1

MP	Melting Point	1

This substance also occurs in Reaction Documents:

Code	Name	Occurrence
RX	Reaction Documents	1
RXPRO	Substance is Reaction Product	1

All References:
ALLREF

1. Patent: Shionogi and Co. Ltd. JP 7030335 1970, Chem.Abstr., 74(22872)

L17 ANSWER 3 OF 5 BEILSTEIN COPYRIGHT 2005 BEILSTEIN MDL on STN

Beilstein Records (BRN):	567960
Chemical Name (CN):	(2,5-dimethyl-3-phenyl-pyrazolo<1,5-a>pyrimidin-7-yl)-(2-piperidin-1-yl-ethyl)-amine
Autonom Name (AUN):	(2,5-dimethyl-3-phenyl-pyrazolo<1,5-a>pyrimidin-7-yl)-(2-piperidin-1-yl-ethyl)-amine
Molec. Formula (MF):	C21 H27 N5
Molecular Weight (MW):	349.48
Lawson Number (LN):	30310, 24081, 3018
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	542073
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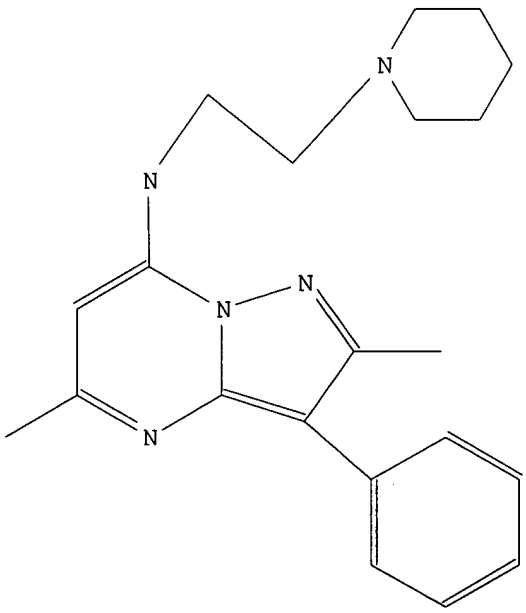
Entry Date (DED):	1988/11/28
Update Date (DUPD):	1992/09/03



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AUN	Autonomname	1
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FW	Formular Weight	1
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CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
DED	Entry Date	1
DUPD	Update Date	1
MP	Melting Point	1

This substance also occurs in Reaction Documents:

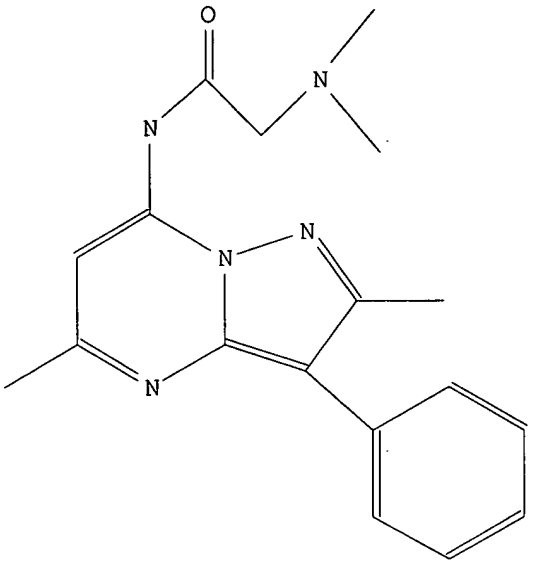
Code	Name	Occurrence
RX	Reaction Documents	1
RXPRO	Substance is Reaction Product	1

All References:
ALLREF

1. Patent: Shionogi and Co.; Ltd. JP 7030335 1970, Chem.Abstr., 74(22872)

L17 ANSWER 4 OF 5 BEILSTEIN COPYRIGHT 2005 BEILSTEIN MDL on STN

Beilstein Records (BRN):	567754
Chemical Name (CN):	N,N-dimethyl-glycine 2,5-dimethyl-3-phenyl-pyrazolo<1,5-a>pyrimidin-7-ylamide
Autonom Name (AUN):	2-dimethylamino-N-(2,5-dimethyl-3-phenyl-pyrazolo<1,5-a>pyrimidin-7-yl)-acetamide
Molec. Formula (MF):	C18 H21 N5 O
Molecular Weight (MW):	323.40
Lawson Number (LN):	30310, 3379, 2817
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	520141
Tautomer ID (TAUTID):	551098
Beilstein Citation (BSO):	5-26
Entry Date (DED):	1988/11/28
Update Date (DUPD):	1992/09/03



Field Availability:

Code	Name	Occurrence
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AUN	Autonomname	1
MF	Molecular Formula	1
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LN	Lawson Number	3
CTYPE	Compound Type	1
CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
DED	Entry Date	1
DUPD	Update Date	1
MP	Melting Point	1

This substance also occurs in Reaction Documents:

Code	Name	Occurrence
RX	Reaction Documents	1
RXPRO	Substance is Reaction Product	1

All References:
ALLREF

1. Patent: Shionogi and Co.; Ltd. JP 7030335 1970, Chem.Abstr., 74(22872)

L17 ANSWER 5 OF 5 BEILSTEIN COPYRIGHT 2005 BEILSTEIN MDL on STN

Beilstein Records (BRN): 557483
Chemical Name (CN): N'-(2,5-dimethyl-3-phenyl-pyrazolo<1,5-a>pyrimidin-7-yl)-N,N-dimethyl-ethane-1,2-

	diamine
Autonom Name (AUN):	N-(2,5-dimethyl-3-phenyl-pyrazolo<1,5-a>pyrimidin-7-yl)-N',N'-dimethyl-ethane-1,2-diamine
Molec. Formula (MF):	C18 H23 N5
Molecular Weight (MW):	309.41
Lawson Number (LN):	30310, 3018, 2817
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	519770
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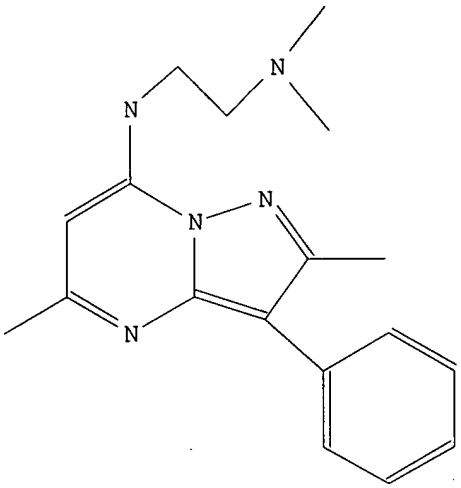
Entry Date (DED):	1988/11/28
Update Date (DUPD):	1991/10/16



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CONSID	Constitution ID	1
TAUTID	Tautomer ID	1
BSO	Beilstein Citation	1
DED	Entry Date	1
DUPD	Update Date	1
MP	Melting Point	1

This substance also occurs in Reaction Documents:

Code	Name	Occurrence
RX	Reaction Documents	1

RXPRO Substance is Reaction Product 1

All References:
ALLREF

1. Patent: Shionogi and Co.; Ltd. JP 7030335 1970, Chem.Abstr., 74(22872)

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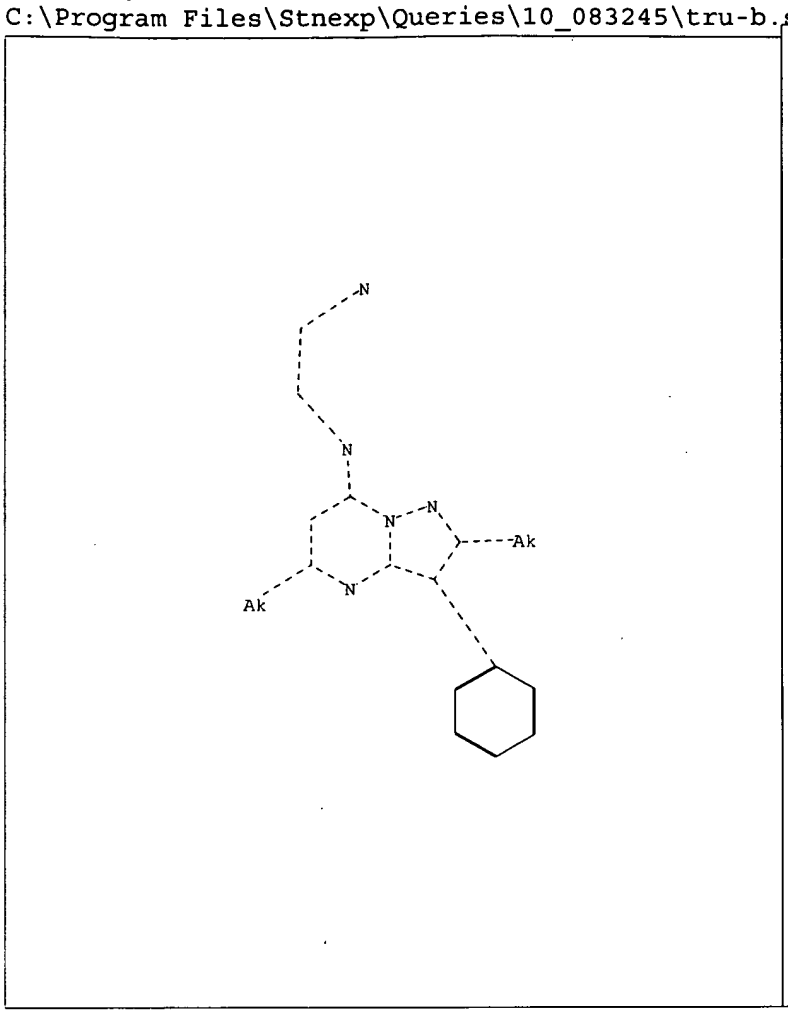

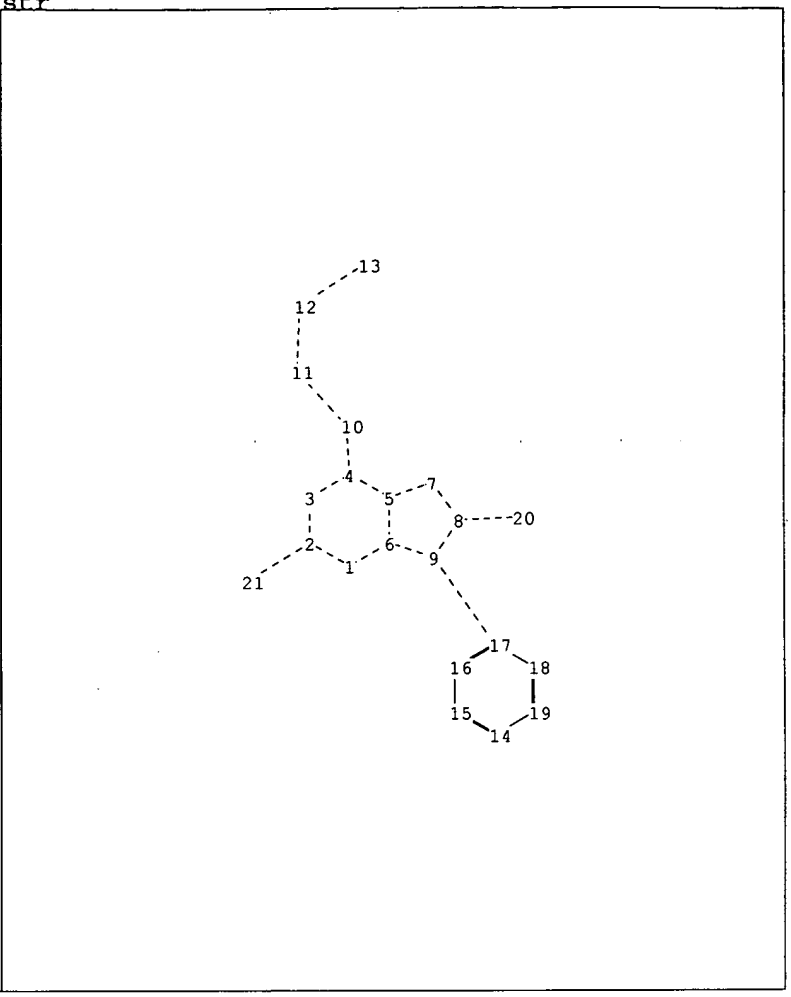

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20 21
ring nodes :
1 2 3 4 5 6 7 8 9 14 15 16 17 18 19
ring/chain nodes :
10 11 12 13
chain bonds :
2-21 4-10 8-20 9-17
ring/chain bonds :
10-11 11-12 12-13
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 14-15 14-19 15-16 16-17 17-18
18-19
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12-13
normalized bonds :
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Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:CLASS 21:CLASS
Element Count :
Node 20: Limited
C,C1-6

Node 21: Limited
C,C1-6

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                 332179-13-2/BI OR 332179-14-3/BI OR 332179-15-4/BI OR 332179-16
                 -5/BI OR 332179-17-6/BI OR 332179-18-7/BI OR 332179-19-8/BI OR
                 332179-20-1/BI OR 332179-21-2/BI OR 332179-22-3/BI O
                 D COST
                 D SCA
                 D COST

     FILE 'STNGUIDE' ENTERED AT 14:04:07 ON 24 AUG 2005

     FILE 'REGISTRY' ENTERED AT 14:09:13 ON 24 AUG 2005
L6           435 SEA SSS FUL L1
```

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     FILE 'CAPLUS' ENTERED AT 14:10:29 ON 24 AUG 2005
L7          24 SEA ABB=ON  PLU=ON  L6

     FILE 'STNGUIDE' ENTERED AT 14:10:52 ON 24 AUG 2005

     FILE 'REGISTRY' ENTERED AT 14:14:39 ON 24 AUG 2005
L8              STRUCTURE UPLOADED
L9          13 SEA SUB=L6 SSS SAM L8
               D SCA
L10        212 SEA SUB=L6 SSS FUL L8
               SAVE TEMP L6 TRU245STRA/A
               SAVE TEMP L10 TRU245STRB/A

     FILE 'CAPLUS' ENTERED AT 14:18:57 ON 24 AUG 2005
L11          5 SEA ABB=ON  PLU=ON  L10
L12          5 SEA ABB=ON  PLU=ON  L11 AND L7
L13         19 SEA ABB=ON  PLU=ON  L7 NOT L11
               D SCA L4 TI

     FILE 'MEDLINE, EMBASE, BIOSIS' ENTERED AT 14:20:49 ON 24 AUG 2005
L14          0 SEA ABB=ON  PLU=ON  L6

     FILE 'STNGUIDE' ENTERED AT 14:23:46 ON 24 AUG 2005

     FILE 'REGISTRY' ENTERED AT 14:24:50 ON 24 AUG 2005
L15          0 SEA ABB=ON  PLU=ON  L10 AND BEILSTEIN/LC NOT CAPLUS/LC

     FILE 'BEILSTEIN' ENTERED AT 14:26:13 ON 24 AUG 2005
L16          6 SEA SSS FUL L8
L17          5 SEA ABB=ON  PLU=ON  L16 NOT RN/FA

     FILE 'STNGUIDE' ENTERED AT 14:27:10 ON 24 AUG 2005

     FILE 'REGISTRY' ENTERED AT 14:29:17 ON 24 AUG 2005

     FILE 'CAPLUS' ENTERED AT 14:29:21 ON 24 AUG 2005
               D STAT QUE L11
               D IBIB ABS HITSTR L11 1-5

     FILE 'REGISTRY' ENTERED AT 14:30:53 ON 24 AUG 2005

     FILE 'CAPLUS' ENTERED AT 14:30:57 ON 24 AUG 2005
               D STAT QUE L13
               D IBIB ABS HITSTR L13 1-19

     FILE 'REGISTRY' ENTERED AT 14:32:51 ON 24 AUG 2005

     FILE 'MEDLINE' ENTERED AT 14:32:55 ON 24 AUG 2005

     FILE 'EMBASE' ENTERED AT 14:33:00 ON 24 AUG 2005

     FILE 'BIOSIS' ENTERED AT 14:33:04 ON 24 AUG 2005
               D STAT QUE L14

     FILE 'BEILSTEIN' ENTERED AT 14:33:37 ON 24 AUG 2005
               D STAT QUE L17
               D QRD ALLREF L17 1-5
```

FILE 'STNGUIDE' ENTERED AT 14:35:08 ON 24 AUG 2005

FILE HOME

FILE REGISTRY
Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 23 AUG 2005 HIGHEST RN 861509-89-9
DICTIONARY FILE UPDATES: 23 AUG 2005 HIGHEST RN 861509-89-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

****
* *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
* *
****

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

FILE CAPLUS

FILE COVERS 1907 - 24 Aug 2005 VOL 143 ISS 9
FILE LAST UPDATED: 23 Aug 2005 (20050823/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE STNGUIDE
FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Aug 12, 2005 (20050812/UP).

FILE MEDLINE
FILE LAST UPDATED: 23 AUG 2005 (20050823/UP). FILE COVERS 1950 TO DATE.

On December 19, 2004, the 2005 MeSH terms were loaded.

The MEDLINE reload for 2005 is now available. For details enter HELP RLOAD at an arrow promt (=>). See also:

http://www.nlm.nih.gov/mesh/
http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html

OLDMEDLINE now back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2005 vocabulary.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE EMBASE
FILE COVERS 1974 TO 18 Aug 2005 (20050818/ED)

EMBASE has been reloaded. Enter HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE BIOSIS
FILE COVERS 1969 TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 17 August 2005 (20050817/ED)

FILE RELOADED: 19 October 2003.

FILE BEILSTEIN
FILE RELOADED ON OCTOBER 20, 2002
FILE LAST UPDATED ON JUNE 29, 2005

FILE COVERS 1771 TO 2005.
FILE CONTAINS 9,271,550 SUBSTANCES

>>>PLEASE NOTE: Reaction Data and substance data are stored in separate documents and can not be searched together in one query. Reaction data for BEILSTEIN compounds may be displayed immediately with the display codes PRE (preparations) and REA (reactions). A substance answer set retrieved after the search for a chemical name, a compounds with available reaction information by combining with PRE/FA, REA/FA or more generally with RX/FA. The BEILSTEIN Registry Number (BRN) is the link between a BEILSTEIN compound and belonging reactions. For mo detailed reaction searches BRNs can be searched as reaction partner BRNs Reactant BRN (RX.RBRN) or Product BRN (RX.PBRN).<<<

>>> FOR SEARCHING PREPARATIONS SEE HELP PRE <<<

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* PLEASE NOTE THAT THERE ARE NO FORMATS FREE OF COST. *
* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE *
* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE; THESE *
* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS. *
* FOR PRICE INFORMATION SEE HELP COST *
****

NEW

*** PATENT NUMBERS (PN) AND BABS ACCESSION NUMBERS (BABSAN) CAN NOW BE SEARCHED, SELECTED AND TRANSFERRED.**

*** NEW DISPLAY FORMATS ALLREF, ALLP AND BABSAN SHOW ALL REFERENCES, ALL PATENT REFERENCES, OR ALL BABS ACCESSION NUMBERS FOR A COMPOUND AT A GLANCE.**